7075 Aluminum Rod

7075 Al rod (T651, 440–560 MPa, HBW 150) — stress-relieved for precision machining of aerospace, military & motorsport structural components and fittings. **SKU:** 1000239311-group
Product Code: AL20-RD

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	150
Elongation at break(%)	5-8%
Shear strength(MPa)	331
Tensile strength(MPa)	510-538

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	5.15
Temperature coefficient(K?¹)	-

Thermal Properties

Element	Value
Melting point(C)	447-635
Thermal conductivity(W m?¹ K?¹)	130@20°C
Coefficient of thermal expansion(x10?? K?¹)	24.4@20-250°C

Physical Properties

Element	Value
Density(gcm?³)	2.8